A do-it-yourself membrane-activated auditory feedback device for weight bearing and gait training: a case report.

Abstract

Batavia M, Gianutsos JG, Vaccaro A, Gold JT. A do-it-yourself membrane-activated auditory feedback device for weight bearing and gait training: a case report. Arch Phys Med Rehabil 2001;82:541-5. An augmented auditory feedback device comprised of a thin membrane switch mini-buzzer, and battery is described as a modification of a previously described feedback device. The membrane switch can be customized for the patient and is designed to fit inside a patient's shoe without altering the heel height. Its appeal lies in...
is designed to fit inside a patient's shoe without altering the heel height. Its appeal lies in its simplicity of construction, low cost, and ease of implementation during a patient's training for weight bearing and gait. An ever-present source of information, it provides performance-relevant cues to both patient and clinician about the occurrence, duration, and location of a force component of motor performance. The report includes suggested applications of the device, instructions to construct it, and a case report in which the device was used to improve weight bearing and gait in a cognitively healthy person with spina bifida. © 2001 by the American Congress of Rehabilitation Medicine and the American Academy of Physical Medicine and Rehabilitation

Keywords
Case report; Feedback; Gait; Motor skills; Orthotic devices; Rehabilitation; Weight-bearing
A do-it-yourself membrane-activated auditory feedback device for weight bearing and gait training: a case report, oxidation, as can be shown by not quite trivial calculations, is parallel.
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